# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PCTA9501-1	FOR FURTHER ACTION	as well as,	ee Form PCT/ISA/220 where applicable, item	5 below.
International application No.	International filing date (day/mor	th/year)	(Earliest) Priority Date	e (day/month/year)
PCT/KR2005/000016	05 JANUARY 2005 (05.0		05 JANUARY 200	4 (05.01.2004)
	00 012 (01			
Applicant				
Bio-MED Photonics Co., Ltd. et	al			
This International search report has been prep to Article 18. A copy is being transmitted to t	pared by this International Searchi the International Bureau.	ng Authority a	and is transmitted to the	applicant according
This international search report consists of a	total of 4 sheets.			
	py of each prior art document cited	in this report.		
Basis of the report     a. With regard to the language, the in language in which it was filed, unle	ess otherwise indicated under this i	tem.		
The international search this Authority (Rule 23	n was carried out on the basis of a t 3.1(b)).	ranslation of the	he international applica	tion furnished to
b. With regard to any nucleotide	e and/or amino acid sequence dis	closed in the ir	nternational application	, see Box No. I.
2. Certain claims were found u	insearchable (See Box No. II)			
3. Unity of invention is lacking				
4. With regard to the title,				
the text is approved as submit	ted by the applicant.			
·	by this Authority to read as follow	/s:		
	•			
		•	•	-
				•.
5. With regard to the abstract,				
the text is approved as submi				
the text has been established,	according to Rule 38.2(b), by this	Authority as	it appears in Box No. 1	V. The applicant
may, within one month from	the date of mailing of this internat	ional search re	eport, submit comments	to this Authority.
6. With regard to the drawings,				1)
a. the figure of the drawings to be p	sublished with the abstract is Figure	No3	<u> </u>	121101111576
as suggested by the app	olicant.			~ 首 中 できる
because the applicant fa	niled to suggest a figure.			- E
	er characterizes the invention.			2005. T.2 [8]
b. none of the figure is to be pu	iblished with the abstract.			<b>建</b> 星型
			10	

#### INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2005/000016

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This interna	ational search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
	laims Nos.: ecause they relate to subject matter not required to be searched by this Authority, namely:
∟	laims Nos.: ceause they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
_	
	laims Nos.: ecause they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. II	I Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Interna	ational Searching Authority found multiple inventions in this international application, as follows:
Grou opini	common concept linking together the independent Claims 1, 5 & 9 is the following: p I: Claims 1-11 The said common concept is apparently neither novel nor inventive. See under Box V of the written on. p II: Claims 12, dependent on Claim 9. features the window wall having a slope of 20 degree.
Grou	p III : Claims 12, dependent on Claim 9, feature a time reading window on top plate of the cartridge housing.
The conc	requisite unity of invention (Rule 13.1 PCT) therefore no longer exists between said Groups as far as a single inventive ept within the meaning of Rule 13.2 does not exist between Groups I-III.
1. As	s all required additional search fees were timely paid by the applicant, this international search report covers all searchable aims.
2. As	all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment any additional fee.
3. As	only some of the required additional search fees were timely paid by the applicant, this international search report covers ly those claims for which fees were paid, specifically claims Nos.:
4. No res	required additional search fees were timely paid by the applicant. Consequently, this international search report is tricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark .on	Protest .
	No protest accompanied the payment of additional search fees.

#### INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2005/000016

#### A. CLASSIFICATION OF SUBJECT MATTER

### IPC7 G01N 30/88

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G01N 30/88, G01N 33/53, G01N 33/543, C12Q 1/68

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patent and Applications for Inventions since 1975

Korean Utility Models and Applications for Utility Models since 1975

Japanese Utility Models and Application for Utility Models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) eKIPASS, WPI, USPTO, PAJ, CAPLUS(STN), INSPECT "fluorescence, laser, lateral, flow, sandwich, analyte, detect\*, captur\*, captor, label, surface, conjugate, etc."

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	WO 03062824 A1 (Boditech Inc., KR) 31 Jul 2003 - see the whole document	1, 4, 5, 8, 9, 11 2, 3, 6, 7, 10, 13
Y	US 6136549 A (Feistel, CC., US) 24 Oct 2000  - see column 1, line 47 ~ column 5, line 11; column 11, line 23 ~ column 12, line 38; & column 13, lines 18 ~ 67  - see Figure 3A & B	3, 7, 10
Y	US 5705338 A (Piran, U., et al., US) 06 Jan 1998 - see column 3, line 55 ~ column 4, line 19 - see claims 6 & 7	2, 6, 13
Α	US 5712170 A (Kouvonen, IS., et al., FI) 27 Jan 1998 - see the entire document	1-15
Α	US 5658723 A (Oberhardt, B., US) 19 Aug 1997 - see the entire document	1-15

ш	Further	documents	are	listed	in	the	continuation	of i	Box	C.
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See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- 'E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

19 APRIL 2005 (19.04.2005)

Date of mailing of the international search report

21 APRIL 2005 (21.04.2005)

Name and mailing address of the ISA/KR



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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/KR2005/000016

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